SZABO SCANDIC

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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

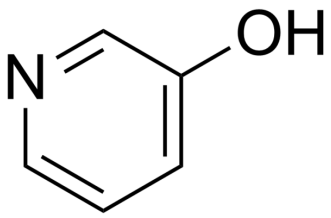
mail@szabo-scandic.com

www.szabo-scandic.com

linkedin.com/company/szaboscandic

3-Hydroxypyridine

Cat. No.:	HY-Y1129		
CAS No.:	109-00-2		
Molecular Formula:	C_5H_5NO		
Molecular Weight:	95.1		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 110 mg/mL (1156.68 mM; Need ultrasonic)

	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
Preparing Stock Solutions	**1 mM**	10.5152 mL	52.5762 mL	105.1525 mL
	5 mM	2.1030 mL	10.5152 mL	21.0305 mL
	10 mM	1.0515 mL	5.2576 mL	10.5152 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 4.23 mg/mL (44.48 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: 2.75 mg/mL (28.92 mM); Suspended solution; Need ultrasonic
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.75 mg/mL (28.92 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

3-Hydroxypyridine is isolated from Bamboo grass. 3-Hydroxypyridine derivatives are structural analogues of vitamin B6 and have a wide range of pharmacological properties, such as antioxidant properties[1][2].

REFERENCES

[1]. Atsushi Endo, et al. Bamboo grass extract and use of the same extract. JP2006298766A

[2]. L D Lukyanova, et al. Energotropic effect of succinate-containing derivatives of 3-hydroxypyridine. Bull Exp Biol Med. 2009 Oct;148(4):587-91.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA